

CLAIMS

1. Composition comprising an oil phase, an aqueous phase, at least one emulsifier of water-in-oil (W/O) type, at least one emulsifier of oil-in-water (O/W) type, characterized in that the said composition is an inverted latex comprising from 20% to 60% by weight, and preferably from 25% to 45% by weight, of a branched or crosslinked anionic polyelectrolyte based on at least one monomer possessing a strongly acidic function, copolymerized either with at least one monomer possessing a weakly acidic function or with at least one neutral monomer.

2. Composition as defined in Claim 1, characterized in that the said anionic polyelectrolyte is the result of a copolymerization of its precursor monomers, which is carried out at a pH below 4.

3. Composition as defined according to ~~either of Claims 1 and 2~~ characterized in that 30% to 90%, of the monomer units which comprise the anionic polyelectrolyte have a strongly acidic function.

4. Composition as defined in ~~one of Claims 1 to 3~~, for which the strongly acidic function of the monomer containing it, is a sulphonic acid function or a phosphonic acid function, partially or totally salified and the said monomer is preferably 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulphonic acid partially or totally salified in the form of an alcalimetal salt or in the form of ammonium salt.

5. Composition as defined in ~~one of Claims 1 to 4~~, for which the weakly acidic function of the monomer containing it, is a carboxylic acid function, and the said monomer is preferably chosen from acrylic acid, methacrylic acid, itaconic acid and maleic acid, partially or totally salified.

6. Composition as defined in ~~one of Claims 1 to 4~~, for which the neutral monomer is chosen from 2-hydroxyethyl acrylate, 2,3-dihydroxypropyl acrylate, 2-hydroxyethyl methacrylate and 2,3-dihydroxypropyl methacrylate, or an ethoxylated derivative, with a

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molecular weight between 400 and 1000, of each of these esters.

7. Composition as defined in Claims 1 to 4 or 6, comprising an oil phase, an aqueous phase, at least one emulsifier of water-in-oil (W/O) type and at least one emulsifier of oil-in-water (O/W) type, characterized in that the said composition is an inverted latex comprising from 20% to 60% by weight, and preferably from 25% to 45% by weight, of a branched or crosslinked, anionic polyelectrolyte based on partially or totally salified 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, copolymerized with 2-hydroxyethyl acrylate.

8. Composition as defined in Claim 7, characterized in that 30% to 90%, preferably 50% to 90%, in molar proportions, of the monomer units comprised by the anionic polyelectrolyte is 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid partially or totally salified in the form of an alkali metal salt or an ammonium salt, in particular a composition as defined above, for which the anionic polyelectrolyte includes, in molar proportions, from 60% to 90% of sodium or of ammonium salt of 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and from 10% to 40% of 2-hydroxyethyl acrylate.

9. Composition as defined in one of Claims 1 to 5, characterized in that the said composition is an inverted latex comprising from 20% to 60% by weight, and preferably from 30% to 45% by weight, of a branched or crosslinked, anionic polyelectrolyte based on a 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid which is partially or totally salified in the form of the sodium salt or of the ammonium salt copolymerized with acrylic acid, partially salified in the form of the sodium salt or of the ammonium salt.

10. Composition as defined in <sup>Claim 1</sup> ~~any one of Claims 1 to 9~~, characterized in that the anionic polyelectrolyte is crosslinked and/or branched with a diethylenic or polyethylenic compound in a molar proportion, expressed

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11. Composition as defined in Claim 10, for which the crosslinking agent and/or the branching agent is chosen from ethylene glycol dimethacrylate, sodium diallyloxyacetate, ethylene glycol diacrylate, diallylurea, trimethylolpropane triacrylate or methylenebisacrylamide.

Claim 1

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in particu  
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(0) type and  
from 75% to

Claim /  
~~any one~~

16. Composition as defined in ~~any one of Claims 1 to 15~~, characterized in that it also contains one or more additives chosen in particular from complexing agents, transfer agents or chain-limiting agents.

### Claim 1

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b) the polymerization reaction is initiated by introducing a free-radical initiator into the emulsion formed in a), after which the reaction is left to

P. 3

of  
rebel

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Q

15

a

20

a

23. Composition a  
of a milk, a lotion  
soap, a foam bath, a

a

comprising an injected latex as described in claim 1 to 16, and one or more N-acrylate comonomers.

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